



2000 Toxics Release Inventory

ARIZONA

Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	38,405,606	704,035,245	742,440,850
Air Emissions	2,664,226	2,524,934	5,189,160
Surface Water Discharges	7,164	2,074	9,238
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	3,525	0	3,525
Other On-site Land Releases	35,730,691	701,508,237	737,238,928
Off-site Releases (Transfers Off-site to Disposal)*	977,899	1,301,400	2,279,299
Total On- and Off-site Releases	39,383,505	705,336,645	744,720,149
Recycled On-site	86,529,197	4,022,490	90,551,687
Recycled Off-site	33,705,044	3,998,215	37,703,259
Energy Recovery On-site	1,119,561	0	1,119,561
Energy Recovery Off-site	639,769	1,697,534	2,337,303
Treated On-site	7,522,067	6,650,308	14,172,375
Treated Off-site**	2,483,100	1,701,839	4,184,939
Quantity Released On- and Off-site***	41,628,315	704,154,596	745,782,911
Total Production-related Waste Managed	173,627,053	722,224,982	895,852,035
Non-production-related Waste Managed	140,821	3,677	144,498

Transfers Off-site for Further Waste Management/Disposal

Recycling	33,602,318	4,000,591	37,602,909
Energy Recovery	590,490	1,706,171	2,296,661
Treatment	864,406	208,453	1,072,859
Publicly Owned Treatment Works (POTWs)	2,198,179	3	2,198,182
Metals and Metal Compounds*	3,631	0	3,631
Non-metal TRI Chemicals**	2,194,548	3	2,194,551
Other Off-site Transfers****	0	671	671
Transfers Off-site to Disposal (not including metals to POTWs)	1,180,433	1,658,373	2,838,806
Total Transfers Off-site for Further Waste Management/Disposal	38,435,826	7,574,262	46,010,088

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

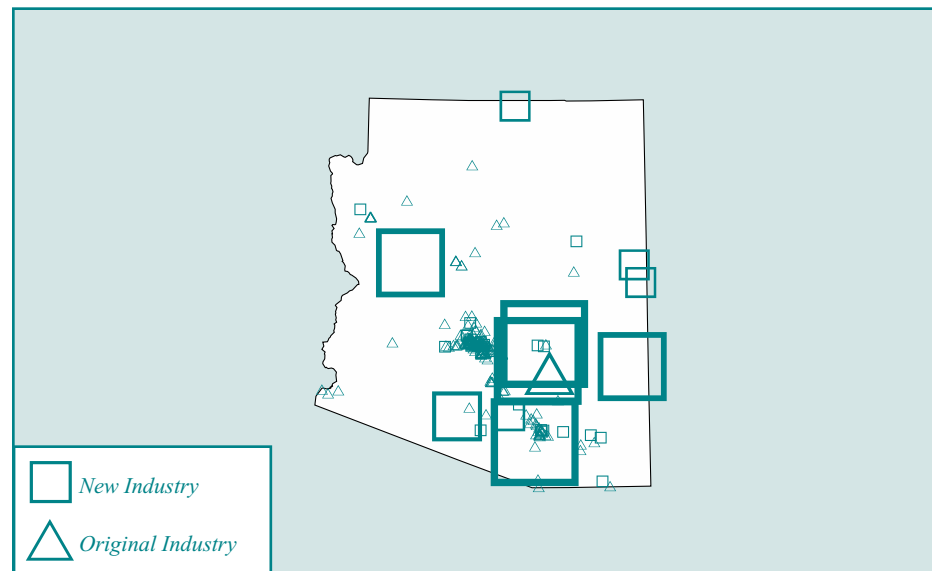
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Support Service (TRI-US):
(202) 566-0250
Fax: (202) 401-2347
tri.us@epa.gov



The largest marker in the state map represents the largest facility for on-site releases in the state of Arizona. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	5,165,274
Square Miles	113,642
Total Facilities	252
Total Forms	903
Form As	133

	Original Industry	New Industry	Total
National Rank for Total On- and Off-site Releases*			
Rank	22	3	3
Pounds	39,383,505	705,336,645	744,720,149
National Rank for Total On-site Releases**			
Rank	19	3	3
Pounds	38,405,606	704,035,245	742,440,850
National Rank for Total Releases within State***			
Rank	21	3	3
Pounds	40,310,549	704,280,790	744,591,339
National Rank for Production-related Waste Managed			
Rank	29	2	10
Pounds	173,627,053	722,224,982	895,852,035

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Copper compounds	183,722	1,796	0	579,148,733	330,839	579,665,090	4,834	292,522	38,317
—	Barium compounds	29,908	0	0	65,497,430	761	65,528,099	5	255	506
—	Zinc compounds	37,425	1,014	0	53,282,637	156,331	53,477,407	48,384	25,358	130,973
—	Manganese compounds	12,420	92	0	18,750,632	85,930	18,849,074	2,015	39,145	46,785
—	Chromium compounds	4,130	256	0	4,626,413	112,554	4,743,353	1,774	53,094	59,460

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Mercury compounds	1,432.18	0.00	0.00	33,590.55	204.58	35,227.31	51.20	78.11	126.47
—	Polycyclic aromatic compounds	1,145.52	0.00	0.00	87.00	0.00	1,232.52	0.00	0.00	0.00
57-74-9	Chlordane	0.00	0.00	0.00	0.00	782.00	782.00	0.00	0.00	782.00
7439-97-6	Mercury	669.01	0.00	0.00	37.00	0.00	706.01	0.00	0.00	0.00
79-94-7	Tetrabromobisphenol A	2.00	0.00	0.00	0.00	268.00	270.00	0.00	268.00	0.00
8001-35-2	Toxaphene	0.00	0.00	0.00	0.00	121.00	121.00	0.00	0.00	121.00
191-24-2	Benzo(g,h,i)perylene	1.02	0.00	0.00	11.14	0.00	12.16	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.03	0.00	0.00	0.00	0.00	0.03	0.06	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>14.240</i>	<i>0.000</i>	<i>0.000</i>	<i>0.016</i>	<i>0.000</i>	<i>14.256</i>	<i>26.420</i>	<i>0.000</i>	<i>0.000</i>
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
118-74-1	Hexachlorobenzene	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

*** No reports were submitted for these chemicals.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Asarco Inc. Ray Complex Ray Ops. Mine, Kearny, Pinal	10,998	282	0	0	0	155,098,189	155,109,469	0	0
Asarco Inc. Mission Complex, Sahuarita, Pima	10,711	0	0	0	0	149,369,447	149,380,158	0	0
Phelps Dodge Miami Inc., Claypool, Gila	310,109	0	0	0	0	144,802,010	145,112,119	2,330	0
Phelps Dodge Bagdad Inc., Bagdad, Yavapai	8,894	5	0	0	0	95,331,167	95,340,066	0	0
Phelps Dodge Morenci Inc., Morenci, Greenlee	152,031	181	0	0	0	86,318,604	86,470,816	175	0
Phelps Dodge Sierrita Inc., Green Valley, Pima	43,842	10	0	0	0	59,207,397	59,251,249	0	0
Asarco Inc. Ray Complex/Hayden Smelter & Concentrator, Hayden, Gila	160,082	0	0	0	0	35,327,394	35,487,476	345	0
Silver Bell Mining L.L.C., Marana, Pima	1,900	5	0	0	0	3,594,000	3,595,905	0	0
Navajo Generating Station, Page, Coconino	245,385	0	0	0	0	2,696,802	2,942,187	0	117
Springerville Generating Station, Springerville, Apache	80,515	0	0	0	0	1,958,024	2,038,539	0	0

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Phelps Dodge Miami Inc., Claypool, Gila	104.00	0.00	0.00	0.00	0.00	26,000.00	26,104.00	70.00	0.00
Phelps Dodge Bagdad Inc., Bagdad, Yavapai	20.60	0.00	0.00	0.00	0.00	5,120.00	5,140.60	0.00	0.00
Phelps Dodge Sierrita Inc., Green Valley, Pima	22.90	0.00	0.00	0.00	0.00	2,066.00	2,088.90	0.00	0.00
Asarco Inc. Ray Complex Ray Ops. Mine, Kearny, Pinal	726.00	0.00	0.00	0.00	0.00	0.00	726.00	0.00	0.00
Navajo Generating Station, Page, Coconino	358.69	0.00	0.00	0.00	0.00	289.00	647.69	0.00	108.01
Springerville Generating Station, Springerville, Apache	520.01	0.00	0.00	0.00	0.00	0.00	520.01	0.00	0.00
Asarco Inc. Mission Complex, Sahuarita, Pima	391.00	0.00	0.00	0.00	0.00	0.00	391.00	0.00	0.00
North Star Steel Arizona, Kingman, Mohave	375.01	0.00	0.00	0.00	0.00	0.00	375.01	8.11	3.46
Cholla Power Plant, Joseph City, Navajo	119.06	0.00	0.00	0.00	0.00	149.14	268.20	0.00	0.00
Coronado Generating Station, Saint Johns, Apache	259.07	0.00	0.00	0.00	0.00	0.00	259.07	0.00	15.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Asarco Inc. Ray Complex Ray Ops. Mine, Kearny, Pinal	32,368	92,582	0	0	0	0	155,109,469	155,234,419	0
Asarco Inc. Mission Complex, Sahuarita, Pima	0	0	0	0	0	0	149,370,850	149,370,850	0
Phelps Dodge Miami Inc., Claypool, Gila	0	952,075	0	0	0	948	145,052,401	146,005,424	0
Phelps Dodge Bagdad Inc., Bagdad, Yavapai	0	0	0	0	0	0	95,339,880	95,339,880	0
Phelps Dodge Morenci Inc., Morenci, Greenlee	0	720,000	0	0	0	0	86,613,639	87,333,639	0
Phelps Dodge Sierrita Inc., Green Valley, Pima	0	0	0	0	0	0	58,849,705	58,849,705	0
Asarco Inc. Ray Complex/Hayden Smelter & Concentrator, Hayden, Gila	62,776,803	2,137,274	0	0	0	0	37,050,912	101,964,989	0
Silver Bell Mining L.L.C., Marana, Pima	0	0	0	0	6,200	0	3,594,670	3,600,870	0
Navajo Generating Station, Page, Coconino	0	0	0	0	2,366,029	0	2,942,196	5,308,225	0
Springerville Generating Station, Springerville, Apache	0	290,000	0	0	0	0	2,037,420	2,327,420	2,900

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Phelps Dodge Miami Inc., Claypool, Gila	0	13	0	0	0	70	26,006	26,089	0
Phelps Dodge Bagdad Inc., Bagdad, Yavapai	0	0	0	0	0	0	5,140	5,140	0
Phelps Dodge Sierrita Inc., Green Valley, Pima	0	0	0	0	0	0	2,090	2,090	0
Asarco Inc. Ray Complex Ray Ops. Mine, Kearny, Pinal	0	0	0	0	0	0	726	726	0
Navajo Generating Station, Page, Coconino	0	0	0	0	293,294	0	648	293,942	0
Springerville Generating Station, Springerville, Apache	0	0	0	0	0	0	520	520	0
Coronado Generating Station, Saint Johns, Apache	0	0	0	0	117,056	0	402	117,458	0
Asarco Inc. Mission Complex, Sahuarita, Pima	0	0	0	0	0	0	391	391	0
North Star Steel Arizona, Kingman, Mohave	0	54	0	0	0	0	387	441	0
Isola Laminate Sys., Chandler, Maricopa	0	0	0	345	0	0	270	615	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.